



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY  
PRODUCT CONTROL SECTION  
11805 SW 26 Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/economy](http://www.miamidade.gov/economy)

**Westech Building Products, Inc.**  
4751 Highway 62 East  
Mount Vernon, IN 47620

**SCOPE:** This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

**DESCRIPTION: TruGrain Fiber Reinforced Hybrid Hollow Facade**

**APPROVAL DOCUMENT:** Drawing No. 15-06, titled "TruGrain Fiber Reinforced Hybrid Hollow Facade", sheets 1 through 8 of 8, dated 03/18/2015, with revision A dated 11/18/2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

**MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

**RENEWAL** of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

**TERMINATION** of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

**ADVERTISEMENT:** The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

**INSPECTION:** A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



*Carlos M. Utrera*  
03/09/2016

NOA No. 15-0731.04  
Expiration Date: March 17, 2021  
Approval Date: March 17, 2016  
Page 1

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Drawing No. **15-06**, titled "TruGrain Fiber Reinforced Hybrid Hollow Facade", sheets 1 through 8 of 8, dated 03/18/2015, with revision A dated 11/18/2015, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

**B. TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings of TruGrain Hollow Channel Façade on wood battens, prepared by Intertek-ATI, Test Report No. **E5163.01-109-18**, dated 03/17/2015, with revision 3 dated 10/26/2015, signed and sealed by Joseph A. Reed, P.E.
2. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings of TruGrain Hollow Channel Façade on aluminum battens, prepared by Intertek-ATI, Test Report No. **E5162.01-109-18**, dated 03/16/2015, with revision 2 dated 10/26/2015, signed and sealed by Joseph A. Reed, P.E.
3. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings of TruGrain Hollow Channel Façade on steel battens, prepared by Intertek-ATI, Test Report No. **E3283.03-109-31**, dated 03/17/2015, with revision 2 dated 10/26/2015, signed and sealed by Joseph A. Reed, P.E.
4. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings of TruGrain Hollow Channel Façade on wood battens with Vinyl Clips, prepared by Intertek-ATI, Test Report No. **F2302.01-109-18**, dated 11/16/2015, signed and sealed by Joseph A. Reed, P.E.
5. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings of TruGrain Hollow Channel Façade on aluminum battens with Vinyl Clips, prepared by Intertek-ATI, Test Report No. **F1327.01-109-18**, dated 11/03/2015, signed and sealed by Joseph A. Reed, P.E.
6. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
along with marked-up drawings of TruGrain Hollow Channel Façade on steel battens with Vinyl Clips, prepared by Intertek-ATI, Test Report No. **F0878.01-109-18**, dated 09/25/2015, signed and sealed by Joseph A. Reed, P.E.

  
03/09/2016

Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0731.04

Expiration Date: March 17, 2021  
Approval Date: March 17, 2016

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor verification calculations prepared by Al-Farooq Corporation, dated 11/02/2015, signed and sealed by Javad Ahmad, P.E.

**D. QUALITY ASSURANCE**


1. Miami-Dade Department of Regulatory and Economic Resources (RER)

**E. MATERIAL CERTIFICATIONS**

1. Test reports on Accelerated Weathering (Xenon Arc Light) per ASTM G155-05a and Tensile Strength per ASTM D638-10 of Resysta Decking Planks Platinum profile & Resysta Cladding CP140, prepared by Blackwater Testing, Inc., Test Report No. **BT-RNA-14-001D**, dated 01/27/2015, signed and sealed by Yamil G. Kuri, P.E.
2. Test report on Ignition Temperature of Plastics per ASTM D1929-13a and Rate of Burning per ASTM D635-10 Wood-Polymer Composite Material, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-15-F303**, dated 01/23/2015, signed and sealed by Rafael E. Droz Seda, P.E.
3. Test report on Surface Burning Characteristics (Flame Spread and Smoke Developed) per ASTM E84-09 of Resysta Decking, prepared by QAI Laboratories, Test Report No. **RJ1192-1**, dated 02/14/2011, signed by Greg Banasky.

**F. STATEMENTS**

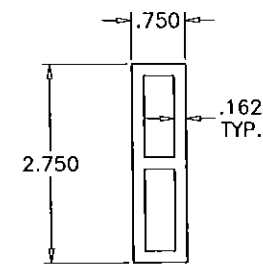
1. Statement letter of code conformance to the 5<sup>th</sup> edition (2014) FBC and of no financial interest issued by Al-Farooq Corporation, dated 04/29/2015, signed and sealed by Javad Ahmad, P.E.
2. Distributor agreement dated 07/21/2015.



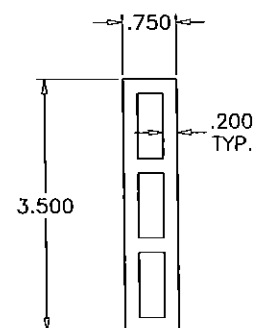
03/09/2016

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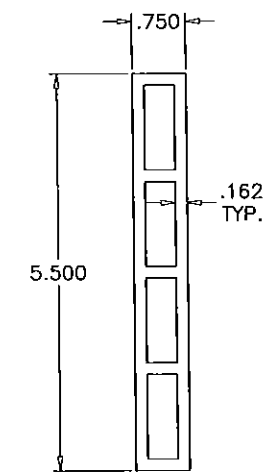
Carlos M. Utrera, P.E.  
Product Control Examiner  
NOA No. 15-0731.04  
Expiration Date: March 17, 2021  
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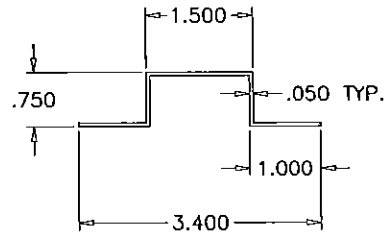
1 HOLLOW (2CH) BOARD



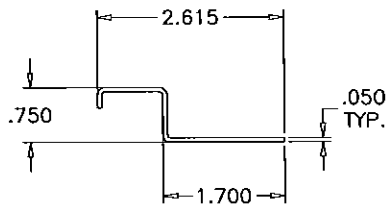
3 HOLLOW (3CH) BOARD



4 HOLLOW (4CH) BOARD



6 ALUM BATTEN



7 Z-RAIL BATTEN

# 'TRUGRAIN' HOLLOW BOARD FACADE

'TRUGRAIN' IS FIBER REINFORCED HYBRID MATERIAL MADE OF  
 RICE HUSKS APPROX. 60%  
 COMMON SALT APPROX. 22%  
 MINERAL OIL APPROX. 18%

MAX. DESIGN LOAD = - 110 PSF (WITH 1X3 WOOD BATTENS)  
 MAX. DESIGN LOAD = - 120 PSF (WITH ALUMINUM BATTENS)  
 MAX. DESIGN LOAD = - 136.6 PSF (WITH Z-RAIL STEEL BATTENS)

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2014 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

FACADE SHALL ONLY BE INSTALLED IN FRONT OF CBS CONSTRUCTION (ASTM C90) OR 5/8" (5-PLY) PLYWOOD SUPPORTED BY 2X4 WOOD STUDS OR 2X6-18 GA. METAL STUDS, EACH AT 16" O.C. PLYWOOD SHALL BE ATTACHED TO FRAMING STUDS IN ACCORDANCE WITH FBC (HVHZ).

ADEQUACY OF STRUCTURE RECEIVING FACADE SHALL BE CHECKED BY A LICENSED DESIGN PROFESSIONAL IN ACCORDANCE WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE.

WALLS RECEIVING FACADE SHALL BE FREE OF CRACKS AND DEFECTS AND A WATER-RESISTIVE BARRIER EQUIVALENT TO A 15 POUND FELT AS DESCRIBED IN FLORIDA BUILDING CODE SHALL BE INSTALLED IN BETWEEN SIDING AND EXTERIOR WALL.

INSTALLATION OF FACADE ACCESSORIES SUCH AS CORNER POSTS, STARTER STRIPS AND TRIM AROUND OPENINGS SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF FLORIDA BUILDING CODE AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.

DESIGN IS BASED ON TESTING IN ACCORDANCE WITH FLORIDA BUILDING CODE CYCLIC WIND PRESSURE TEST, TAS 203-94. STATIC AIR PRESSURE TEST, TAS 202.

ITEM NO.	PART #	WEIGHT	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	F2C008028	.714 Lbs/Ft.	AS REQD.	HOLLOW (2CH) BOARD	HYBRID	WESTECH BUILDING PRODUTS
3	F3H008035	1.093 Lbs/Ft.	AS REQD.	HOLLOW (3CH) BOARD	HYBRID	WESTECH BUILDING PRODUTS
4	FHC008005	1.383 Lbs/Ft.	AS REQD.	HOLLOW (4CH) BOARD	HYBRID	WESTECH BUILDING PRODUTS
5	-	-	AS REQD.	1X3 NOM. WOOD BATTEN	WOOD	MIN. S.G. = 0.55
6	FUR 75-150	-	AS REQD.	ALUMINUM BATTEN	6063-T5	FLANNERY INC.
7	-	-	AS REQD.	Z-RAIL BATTEN	STEEL	KNIGHT WALL SYSTEMS, ASTM A1046 ZM40, 50 KSI MIN.
8	HHF000005000	-	AS REQD.	HIDDEN FASTENER CLIP	VINYL	-

Engr: JAVAD AHMAD  
 CIVIL  
 FLA. PE # 70592  
 C.A.N. 3538  
 DEC 29 2015

Approved as complying with the  
 Florida Building Code  
 Date 03/17/2016  
 NOA# 15-0731.04  
 Miami Dade Product Control  
 By [Signature]

**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220  
 MIAMI, FLORIDA 33173  
 TEL (305) 264-8100 FAX (305) 262-6978

'TRUGRAIN' FIBER REINF. HYBRID HOLLOW FACADE

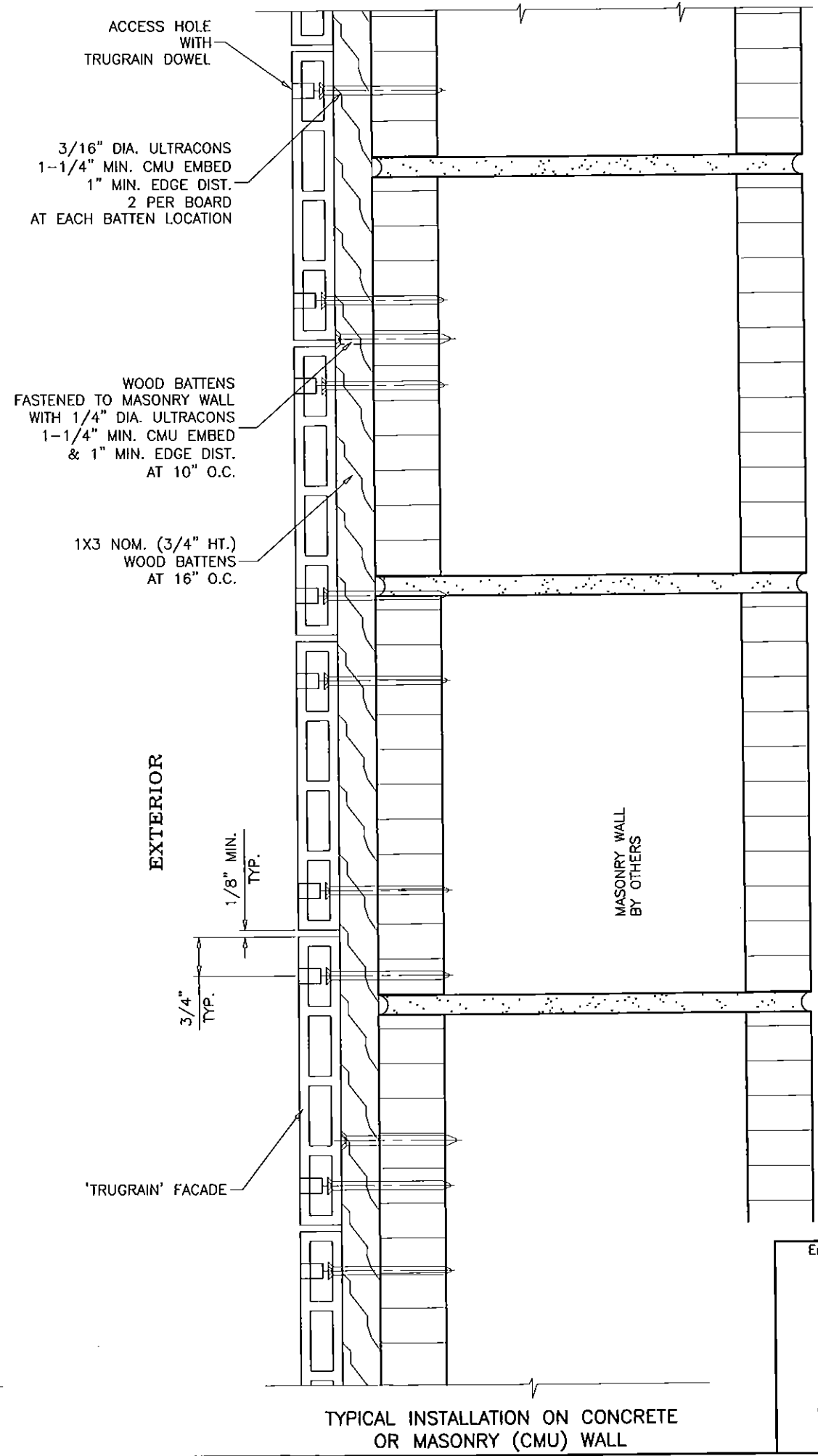
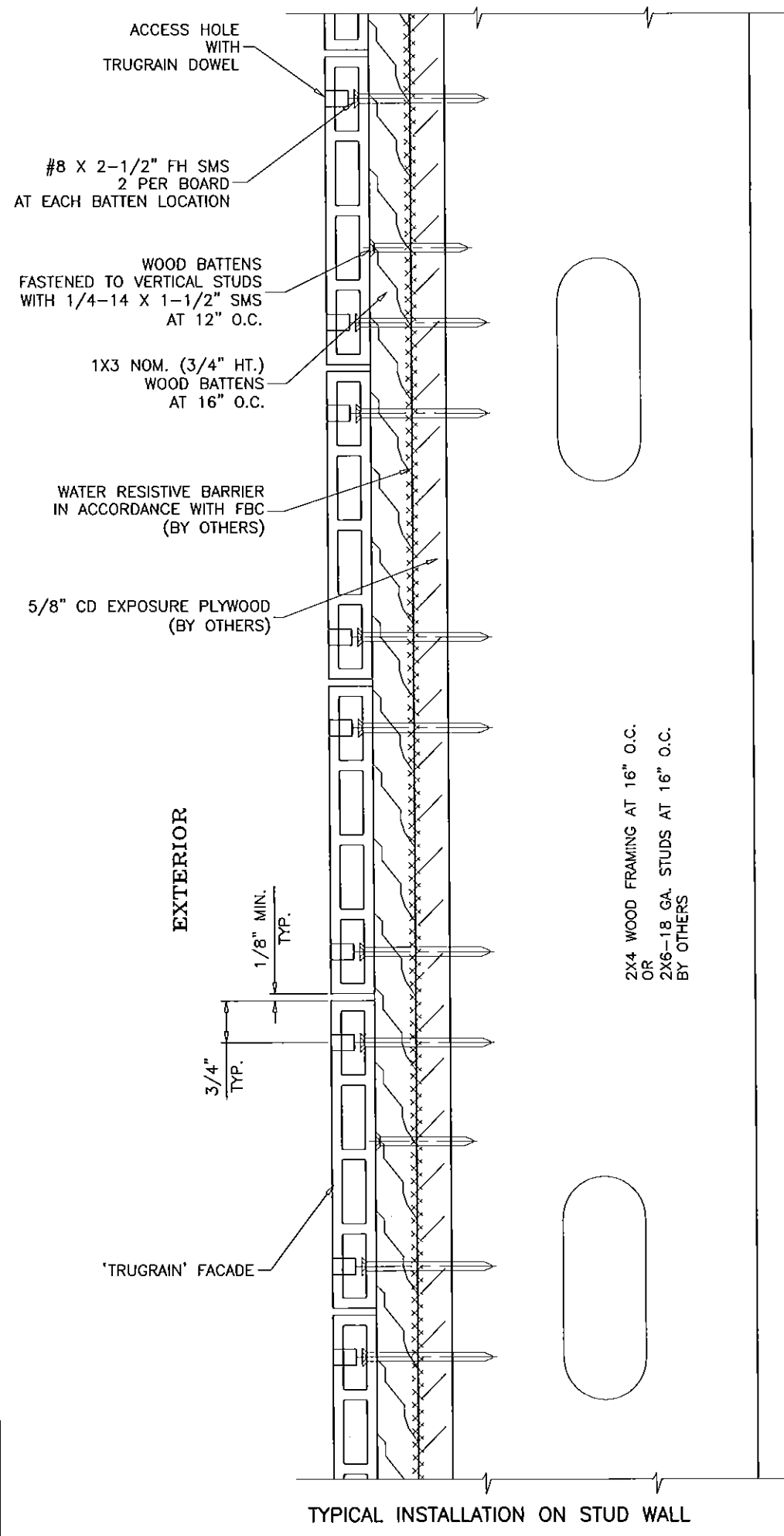
**WESTECH BUILDING PRODUCTS, INC.**  
 7451 HIGHWAY 62 EAST  
 MOUNT VERNON, INDIANA. 47620  
 TEL. (812) 985-3628 FAX. (812) 985-2925

revisions:

no	date	by	description
A	11.18.15		REV. PER RER COMMENTS

date: 03-18-15  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
 15-06  
 sheet 1 of 8



INSTALLATIONS WITH  
1X3 WOOD BATTENS  
MAX. DESIGN LOAD = - 110 PSF

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

APR 29 2015

Approved as complying with the  
Florida Building Code  
Date: 03/17/2016  
NOA# 15-0731.04  
Miami Design Product Control  
By: *[Signature]*

**AL-FAROOQ CORPORATION**  
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MIAMI, FLORIDA 33173  
TEL (305) 264-8100 FAX (305) 262-6978

MISC\15-06WBIP

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'TRUGRAIN' FIBER REINF. HYBRID HOLLOW FACADE  
**WESTECH BUILDING PRODUCTS, INC.**  
7451 HIGHWAY 62 EAST  
MOUNT VERNON, INDIANA. 47620  
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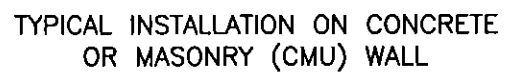
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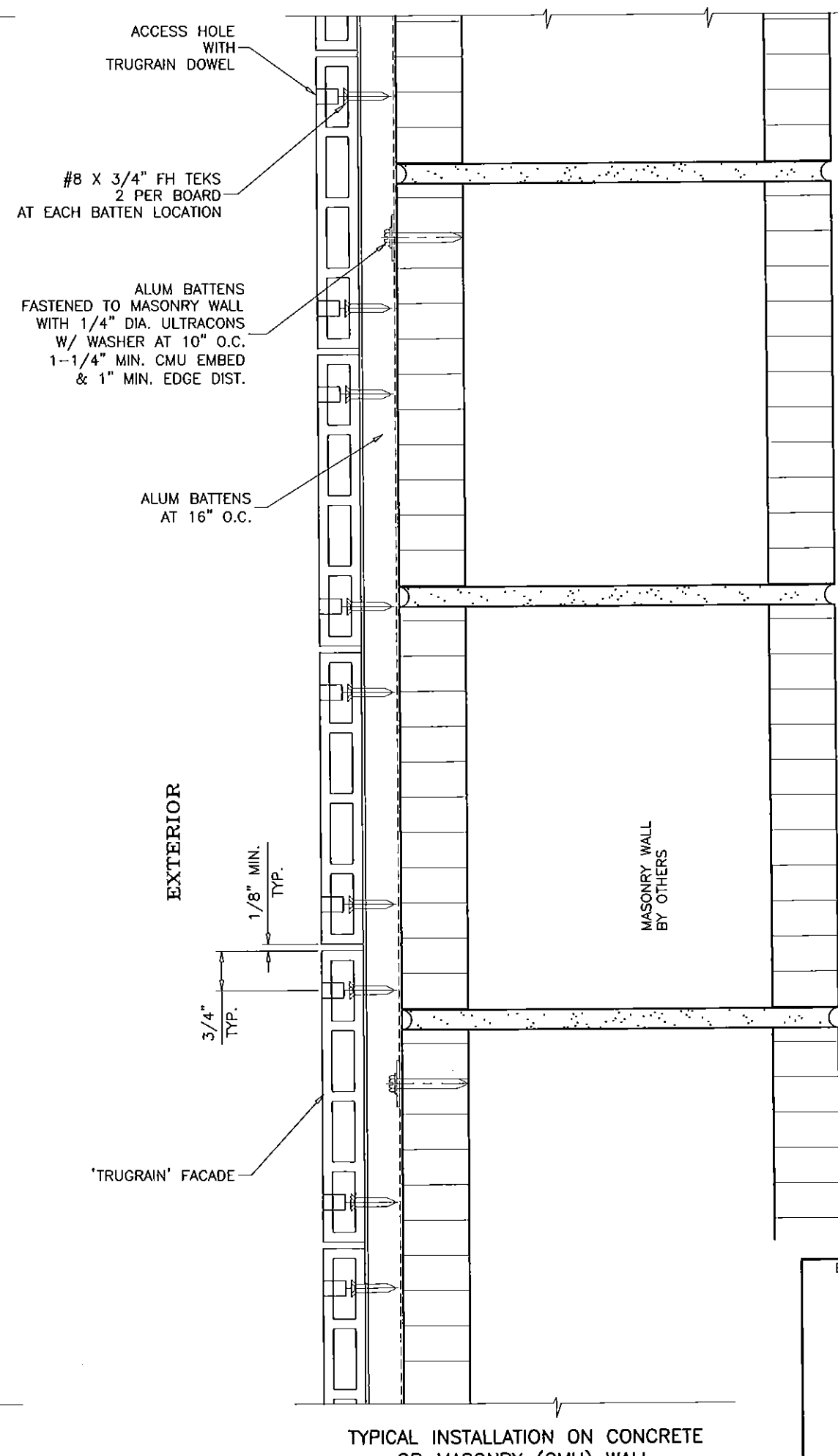
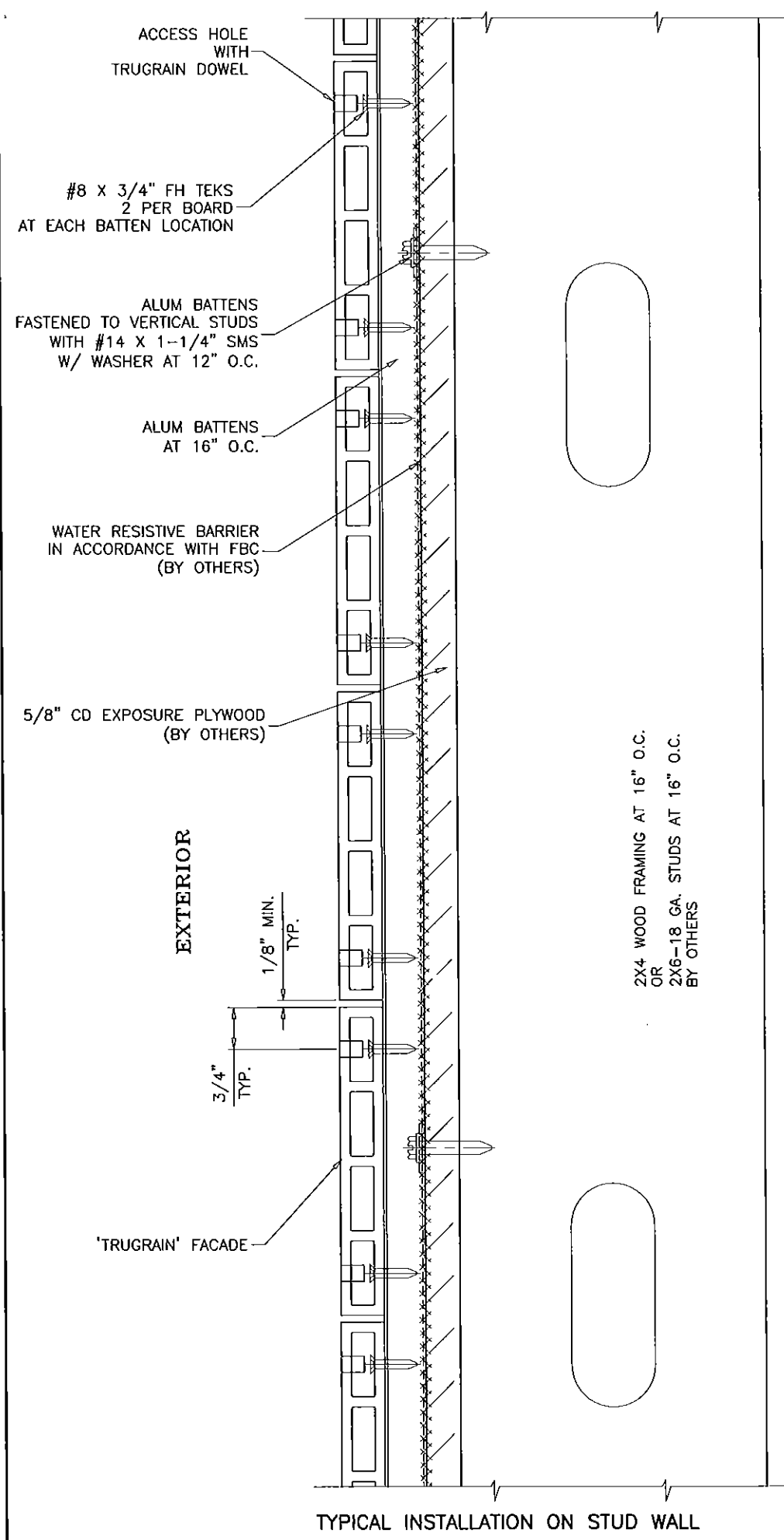
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**15-06**  
sheet 2 of 8



drawing no.  
15-06  
sheet 3 of 8

TRUGRAIN' FIBER REINF. HYBRID HOLLOW FACADE  
**WESTTECH BUILDING PRODUCTS, INC.**  
7451 HIGHWAY 62 EAST  
MOUNT VERNON, INDIANA. 47620  
TEL. (812) 985-3628 FAX. (812) 985-2925

MISC\15-06WBP



INSTALLATIONS WITH  
ALUMINUM BATTENS  
MAX. DESIGN LOAD = - 120 PSF

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

DEC 29 2015

Approved as complying with the  
Florida Building Code  
Date 03/17/2016  
NOA 15-073124  
Miami Dade Product Control

By *[Signature]*

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

MISC\15-06WBP

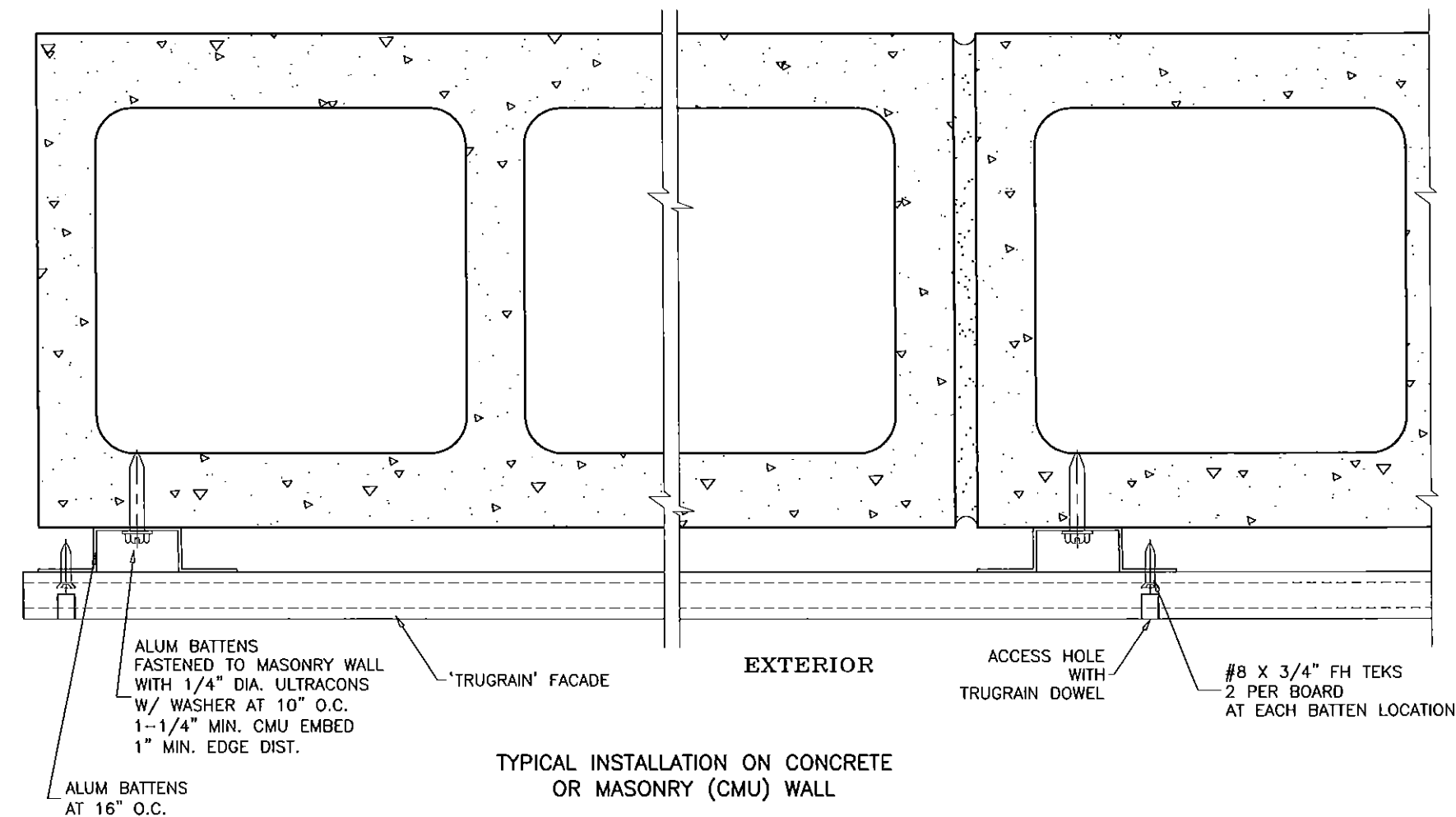
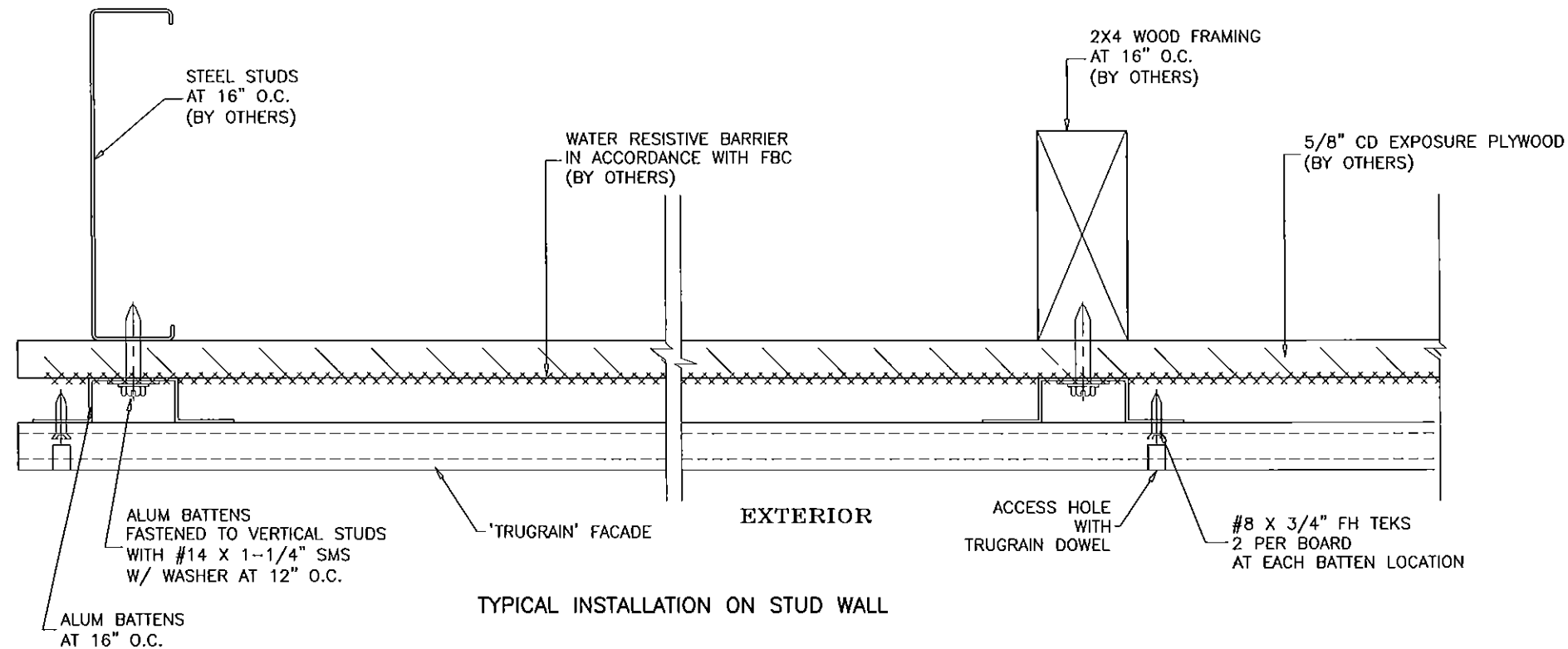
'TRUGRAIN' FIBER REINF. HYBRID HOLLOW FACADE

**WESTECH BUILDING PRODUCTS, INC.**  
7451 HIGHWAY 62 EAST  
MOUNT VERNON, INDIANA 47620  
TEL. (812) 985-3628 FAX. (812) 985-2925

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dr. by: TARIQ  
chk. by:

drawing no.  
**15-06**  
sheet 4 of 8



INSTALLATIONS WITH  
ALUMINUM BATTENS  
MAX. DESIGN LOAD = - 120 PSF

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

DEC 9 2015

Approved as complying with the  
Florida Building Code  
Date 03/17/2016  
NOA# 15-0731.04  
Miami Dept. Product Control  
By *[Signature]*

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

MISC\15-06WBP

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'TRUGRAIN' FIBER REINF. HYBRID HOLLOW FACADE  
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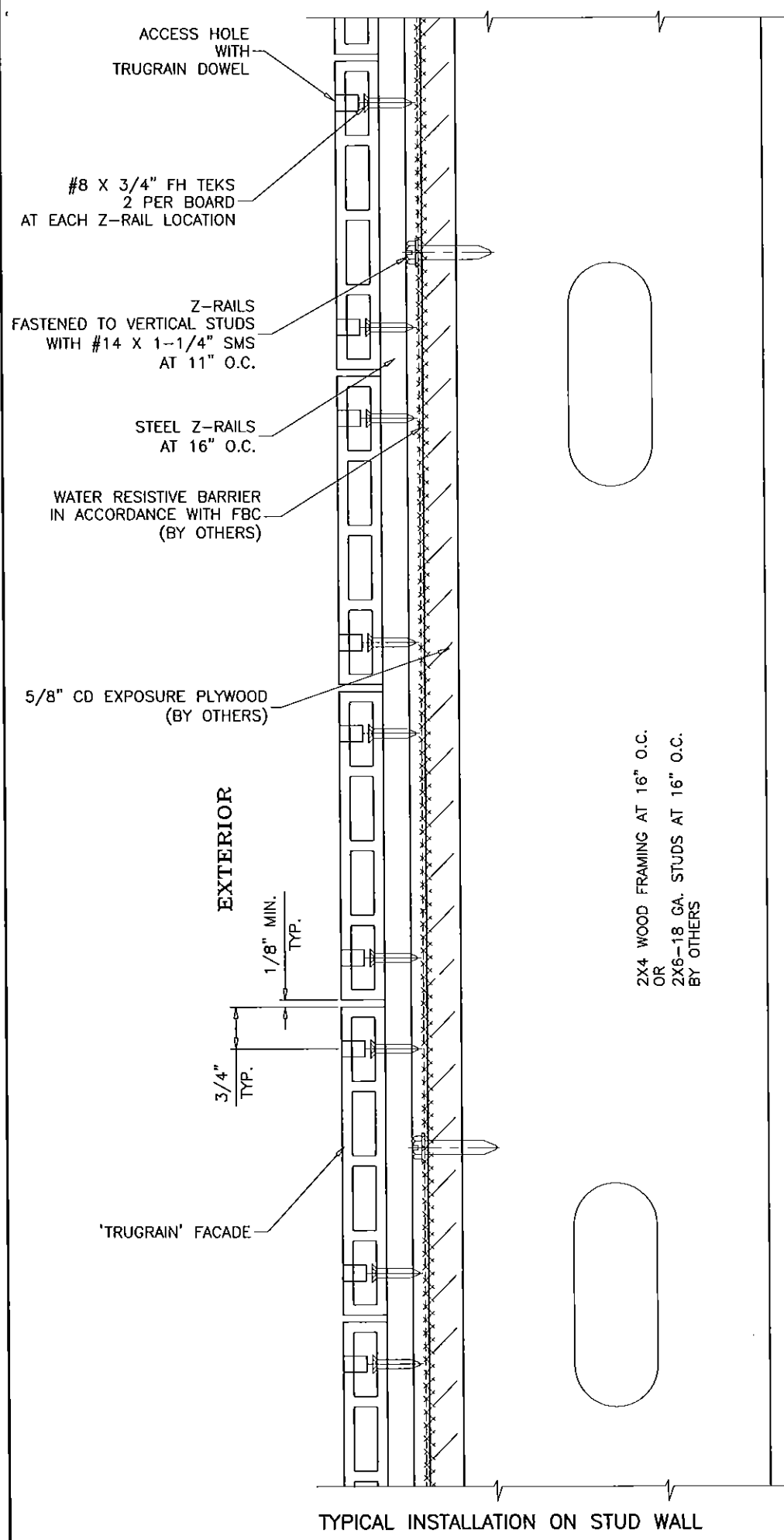
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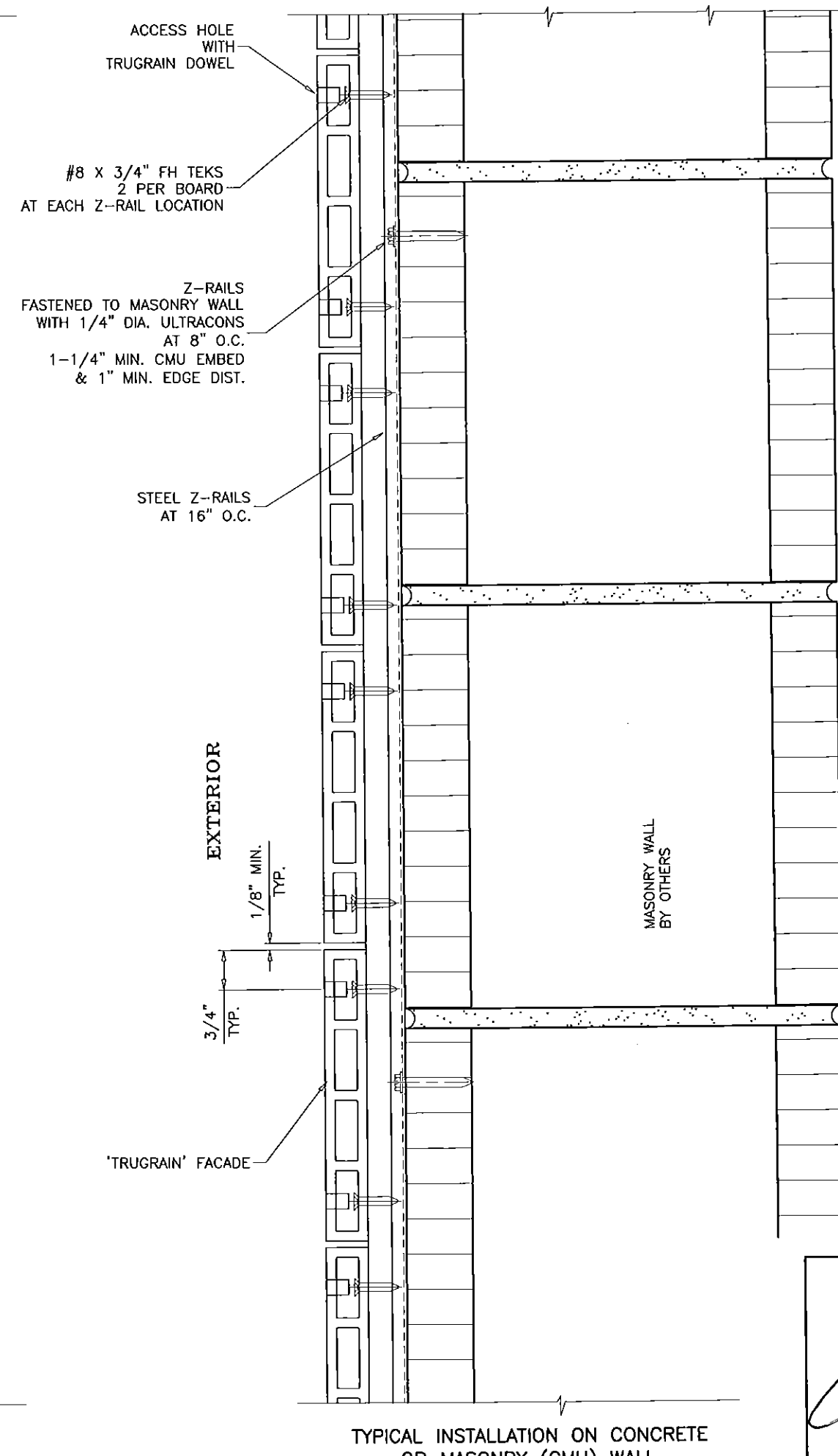
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**15-06**  
sheet 5 of 8





TYPICAL INSTALLATION ON STUD WALL



TYPICAL INSTALLATION ON CONCRETE  
OR MASONRY (CMU) WALL

INSTALLATIONS WITH  
Z-RAIL STEEL BATTENS  
MAX. DESIGN LOAD = - 136.6 PSF

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

Approved as complying with the  
Florida Building Code  
Date 03/17/2016  
NOAH 15-0731.04  
Miami Dade Product Control  
By *[Signature]*

DEC 29 2015

**AL-FAROOQ CORPORATION**  
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MISC\15-06WB

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'TRUGRAIN' FIBER REIN. HYBRID HOLLOW FACADE  
**WESTECH BUILDING PRODUCTS, INC.**  
7451 HIGHWAY 62 EAST  
MOUNT VERNON, INDIANA 47620  
TEL. (812) 985-3628 FAX. (812) 985-2925

15-06

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1	REV. PER COMMENTS	11.18.15	A						

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drawing no. 15-06  
sheet 6 of 8

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**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

MISC\15-06WBIP

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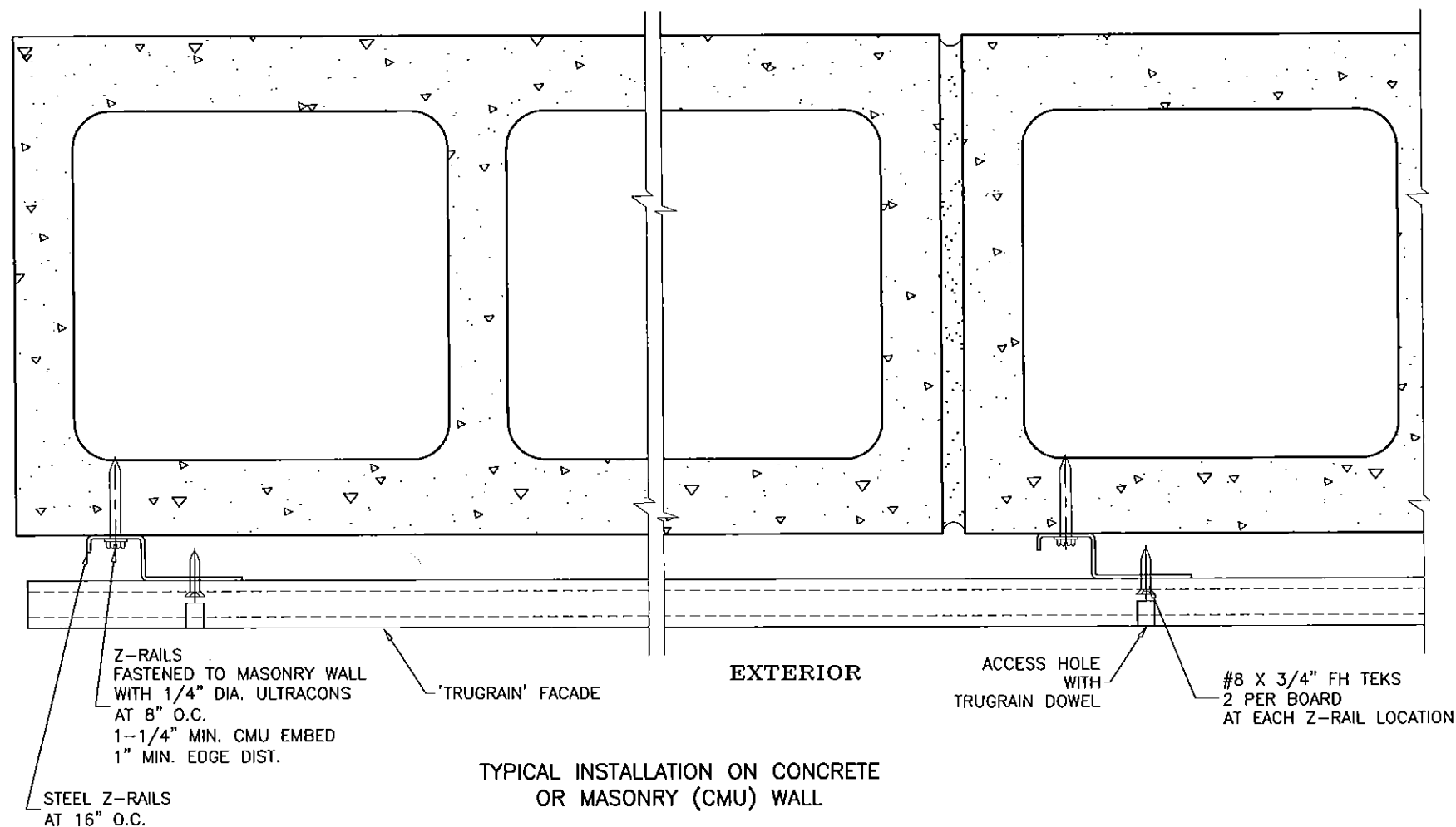
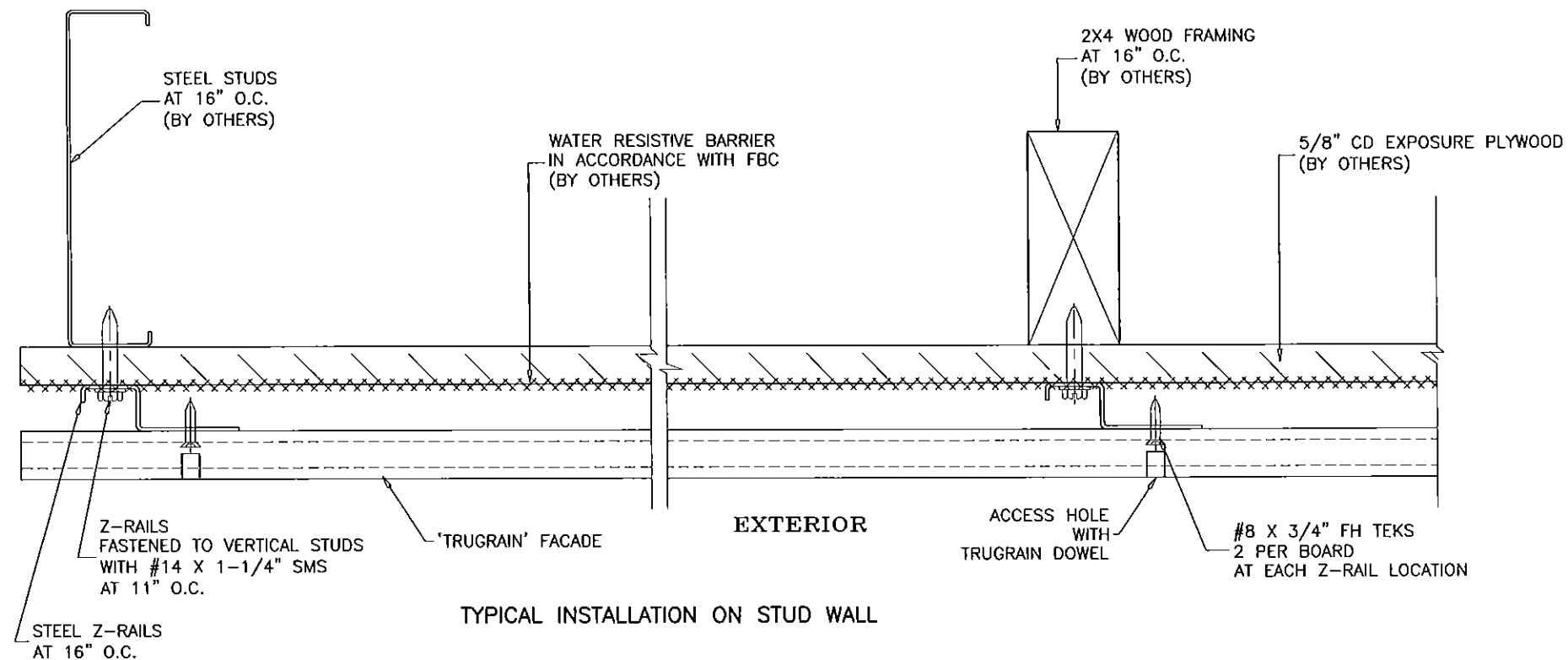
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chk. by:	

drawing no.

15-06

sheet 7 of 8



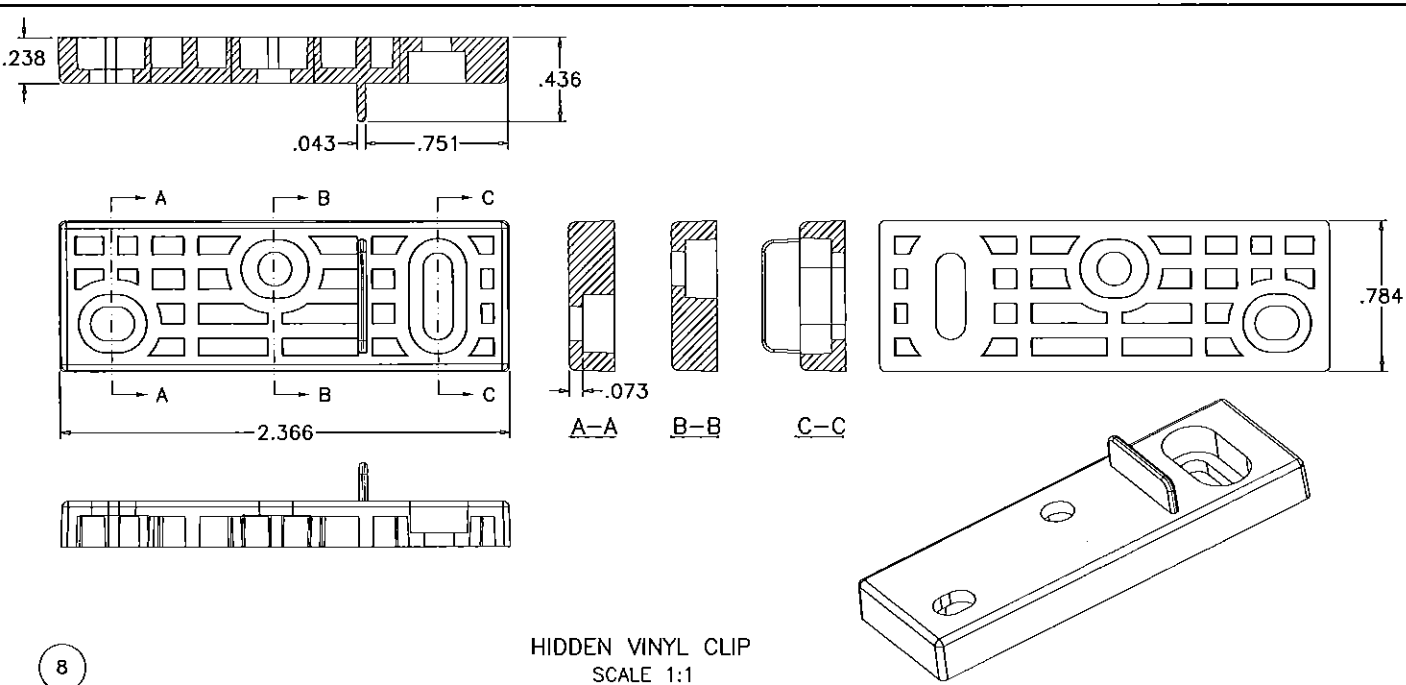
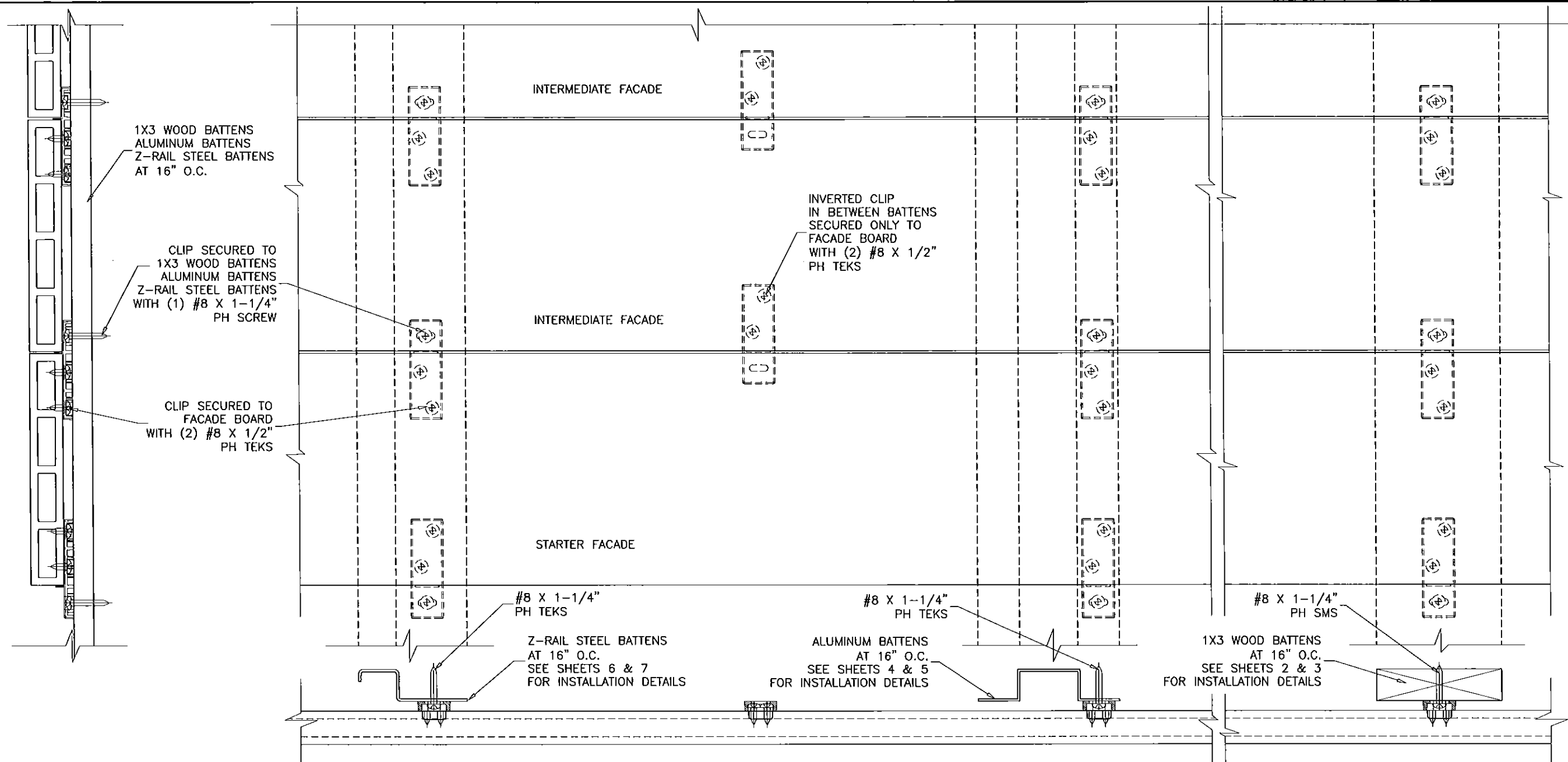
INSTALLATIONS WITH  
Z-RAIL STEEL BATTENS  
MAX. DESIGN LOAD = - 136.6 PSF

Engr: JAVAD AHMAD  
CIVIL  
FLA. PE # 70592  
C.A.N. 3538

DEC 28 2015

Approved as complying with the  
Florida Building Code  
Date 03/17/2016  
NOA# 15-0731.04  
Miami Data Product Control

By *[Signature]*



#### HIDDEN VINYL CLIP INSTALLATION OPTION:

HOLLOW FACADE CAN BE ATTACHED TO WOOD, ALUMINUM OR STEEL BATTENS USING HIDDEN VINYL CLIPS.

SEE SHEETS 2 AND 3 FOR 1X3 WOOD BATTEN INSTALLATION TO STRUCTURE WITH VINYL CLIP OPTION LIMIT MAX. DESIGN LOADS TO -103.3 PSF

SEE SHEETS 4 AND 5 FOR ALUMINUM BATTEN INSTALLATION TO STRUCTURE WITH VINYL CLIP OPTION LIMIT MAX. DESIGN LOADS TO -120 PSF

SEE SHEETS 6 AND 7 FOR Z-RAIL STEEL BATTEN INSTALLATION TO STRUCTURE WITH VINYL CLIP OPTION LIMIT MAX. DESIGN LOADS TO -100 PSF

Engr: JAVAD AHMAD  
CML  
FLA. PE # 70592  
C.A.N. 3538

DEC 29 2015

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Date: 03/17/2016  
NOA# 15-0731.04  
Miami Design Product Control

By: *[Signature]*

**AL-FAROOQ CORPORATION**  
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9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL. (305) 264-8100 FAX. (305) 262-6978

**TRUGRAIN' FIBER REINF. HYBRID HOLLOW FACADE**  
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date: 03-18-15	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
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drawing no.  
**15-06**

sheet 8 of 8